

a main lens including a plurality of electrodes spaced to focus the electron beam, wherein the plurality of electrodes comprises

a second accelerator electrode including a conductive cylindrical element smaller in diameter than the neck, which is connected to an external potential via the isolated high voltage stem pin,

a focus electrode connected to a focus potential through one of the low voltage stem pins, and

a final accelerator electrode comprising a continuous internal conductive coating on the neck and the funnel, wherein the final accelerator electrode is connected to anode potential through an anode button in the neck.

10. (Amended) A CRT including a neck and a funnel, the CRT comprising:

a stem with a number of low voltage stem pins and an isolated high voltage stem pin; and

an electron gun positioned in the neck and including a triode that forms an electron beam, the triode comprising a cathode, a biasing electrode, and a first accelerator electrode; and

a main lens including a plurality of electrodes spaced to focus the electron beam, wherein the plurality of electrodes comprises

a second accelerator electrode including a conductive cylindrical element smaller in diameter than the neck, which is connected to an anode potential via the isolated high voltage stem pin,

a focus electrode connected to a focus potential through one of the low voltage stem pins, and

a final accelerator electrode comprising a continuous internal conductive coating on the neck and the funnel, wherein the final accelerator electrode is connected to anode potential through an anode button in the neck.

12. (Amended) A CRT including a neck and a funnel, the CRT comprising:

a stem with a number of low voltage stem pins and an isolated high voltage stem pin; and

an electron gun positioned in the neck and including a triode that forms an electron beam, the triode comprising a cathode, a biasing electrode, and a first accelerator electrode; and

a main lens including a plurality of electrodes spaced to focus the electron beam, wherein the plurality of electrodes comprises

a second accelerator electrode including a conductive cylindrical element smaller in diameter than the neck, wherein the second accelerator electrode is connected to an anode potential via the isolated high voltage stem pin,

a focus electrode connected to a focus potential through one of the low voltage stem pins, and

a final accelerator electrode comprising a continuous internal conductive coating on the neck and the funnel, wherein the final accelerator electrode is connected to anode potential less than or equal to twelve kilovolts through an anode button in the neck.